

**MODIS Technical Team Meeting
Thursday, May 23, 2002
Building 33, Room E125**

Vince Salomonson chaired the meeting. Present were Wayne Esaias, Ed Masuoka, Robert Wolfe, Barbara Conboy, Bill Barnes, Eric Vermote, Steve Kempfer, and Yolanda Harvey, with David Herring taking the minutes.

1.0 Upcoming Meetings

- AGU, Spring, May 28-Jun 1, Washington, D.C.
- AMS, Atmospheric Radiation and Atmospheric Physics, first week of June, Odgen, Utah
- MODIS Outreach Workshop on Land Cover Variables, June 3-4, University of Maryland, College Park
- NPP Algorithm Technical Interchange Meeting on June 6
- IGARSS 2002, June 24-28, 2002 in Toronto (abstract deadline past)
- MODIS Outreach Workshop on MODIS Vegetation Variables (VI/LAI/FPAR/NPP), July 15-19th 2002, University of Montana, Missoula, MT
- MODIS Science Team Meeting, July 22-24, 2002, Greenbelt Marriott, MD
- Remote Sensing of the Earth's Environment from Terra, a workshop at the International Summer School on Atmospheric and Oceanic Sciences, August 25-30, 2002, L'Aquila Italy
- 34TH COSPAR Scientific Assembly, October 10-19, 2002, in Houston, TX, (abstract deadline past)
- MODIS Outreach Workshop on Land Surface Radiation Budget Variables and Snow and Ice Products, October 21-23, 2002, Boston University

2.0 Meeting Minutes

2.1 General Discussion

Barnes said that Yolanda Harvey will be getting the minutes for the MCST meetings so that they can be attached to the MTT minutes. Esaias was concerned that it might take a while to get the minutes out, which could cause a delay in getting important information to the Science Team, but Barnes assured him that there is less than a one-week turnaround.

Vince said that the MODIS model in the lobby of GSFC Building 33 has had the case put on it. Winnie Humberson is preparing a plaque to place in the corner as well as a poster to put on the wall behind it that will give the technical specifications, show pictures, and provide some general description of the instrument. Additionally, the thermal blanket/gold covering will be installed soon and will have holes cut in it so that it is possible to see the internal components.

Yolanda Harvey asked whether she will still be writing the descriptions of the components, and Salomonson replied that yes, there will still be a need for her to write some descriptions, and that she should coordinate with Winnie

Humberson on the project. Salomonson then solicited other ideas of what to do to enhance the exhibit. Masuoka suggested directing people to where they can get more information, such as the website. Another idea suggested is to use some sort of computer interface to make the exhibit interactive.

Harvey reported that she checked on the MOD03 validation date on the MODIS Website, and had Brandon Maccherone (MODARCH webmaster) change it to November of 2000. Salomonson noted that Maccherone is cleaning up the Data Products section of the MODIS homepage.

2.2 Instrument Status

Barnes reported that as of Sunday night Aqua came out of survival mode. What had happened was that as it came out of the dark side the solar panel output dropped making the s/c think that it was night again, and that it hadn't charged enough during the brief period that it was in the light, thereby forcing it into survival mode. But everything is back and operating correctly. The reason for the drop in solar panel output is still under investigation. The AMSR is up to 29 rpm, and will hopefully get up to 40 by the end of the day. If it gets to 40 rpm, the cooler doors will open and MODIS will go into outgas mode. [Aqua MODIS went into outgas mode on May 24.]

As for Terra, Barnes reported that it is doing fine.

Wolfe reported that the star tracker issue has been solved. It turned out to be a problem with a sign in their transformation array. At First Light they will measure its position using geolocation to see how far off it is, but the good news is that it won't be a lot of work.

2.3 GES DAAC

Kempler said that he did not have much to report. GES DAAC has almost finished processing the year 2000 Collection 3 data. Esaias added that it would take a couple of weeks to get in the missing granules.

Kempler continued that the team is testing Oceans reprocessing, and that processing overall is going very well. The team is seeing rates of 9x and higher. They got the latest PGEs in, and are seeing an increase in the distribution of data products. He is examining what that increase is attributable to.

2.4 SDST Report

Masuoka reported that the MO2 science test system has gotten all of the hardware up, and that on May 24 the GSC will begin installing the MODAPS software. The only exception is in the expansion of the tape archive.

Masuoka continued that at a point in the future the network folks want to re-address a lot of their servers. He is trying to work out a schedule so that re-addressing doesn't affect Aqua. Right now they are taking unused addresses from Rapidfire as a temporary solution. The GSC people offsite will be assigned to a new domain.

Masuoka reported that when his team worked with Atmospheres data, they went straight into production and skipped IMT. At the same time, because they were doing Collection 3 and 4, there was a CM mistake. The team has put in processes to ensure that this doesn't happen again. Salomonson suggested that someone watch for those sorts of glitches and make sure that they don't happen. Masuoka agreed, saying that SDST is looking for other similar checks that they can do.

2.5 Science Team Meeting

Salomonson noted that on-line registration for the Science Team Meeting will be available on the MODIS website by June 3. Salomonson wants the meeting to be more open, wants lots of people there, and the focus to be on validation. He noted that the people from Los Alamos National Laboratories might attend. He continued that he hopes that much of the Land products will be validated by the fall, and Esaias affirmed that Oceans color products are on track for fall validation as well. The emphasis for the Science Team meeting will be on Aqua early results and progress on validation of Terra products. Conboy is collecting presentation titles from the MODIS Science Team for the agenda. Salomonson noted that there will be two Land workshops before the Science Team Meeting. Esaias asked about the registration process, and Conboy replied that it will be online and that she will send out an email announcement the beginning of June.

Regarding a cover letter for the CD FTP site, Salomonson reported that he has asked a number of people for edits and/or comments. He asked that Vermote send changes back to him as soon as possible, hopefully by early next week. He sent requests to Ron Vogel and Bill Ridgeway that they look over products for those groups. Vermote said that he is planning on looking at everything.

Salomonson asked whether Nazmi El Saleous has made any progress on the 36-chip picture, but Vermote didn't know.

Vermote reported that he talked to Dorothy Hall about snow in the MMDS data set and got the green light to produce. He continued that LAI product still has some residual concerns, but is very close to approval.

2.6 Software Versioning Issue

Esaias wants to set up a procedure to make sure people are running the right versions of software. He reported that he is talking to NOAA to ensure that they are coordinated for Coastal Watch, but the connection is loose thus far.

3.0 Action Items

3.1 New Action Items

3.1.1 Eric Vermote to send comments on CD FPT letter to Salomonson as soon as possible.

3.2 Action Items Carried Forward

3.2.1 Technical team to discuss further the issue of predicted ephemeris data and how to improve it.

Status: Open.

Ed Masuoka and Robert Wolfe plan to meet with the Terra Flight Operations Team to see if they can run definitive ephemeris 2-4 times per day. The context for this issue to provide better geolocation information for things like fire front tracking and similar issues.

3.2.2 The procedure for releasing Aqua MODIS products needs to be further refined via Discipline discussions and coordination with the Science Team leader, et al.

Status: Open.

3.2.3 Diane Wickland and Martha Maiden should be informed that MODAPS and the DAAC have updated their capabilities.

Status: Open.

3.2.4 Yolanda Harvey to update the MODIS Web site's product page to indicate that MOD03 is validated from November 2000 and forward.

Status: Closed.